

ABSTRACT OF THE DISCLOSURE

A voltage regulator includes a load control unit having an output configured to be coupled to a load. The load control unit is configured to be responsive to a load control signal for controlling the delivery of power to the load. A voltage regulator further includes a
5 feedback unit coupled to the output of the load control unit. The feedback unit is configured to produce a feedback signal indicative of a voltage level applied to the load at the load control unit output. A voltage regulator still further includes a controller responsive to the feedback signal that is configured to generate the load control signal such that the voltage applied to the load substantially corresponds to a predetermined reference voltage level.